**DRAWING:** 79231

#### FINDING:

1. ADDITIONAL BOLT HOLE IN BEARING SLEEVE DRILLED 90DEG OFF ALIGNMENT.

### **ENGINEERING JUSTIFICATION:**

TENSILE AREA OF BEARING SLEEVE WITH ADDITIONAL BOLT HOLE: 0.423IN^2 UNTIMATE TENSILE LOAD (FROM ER758.01): 1294LBF STRESS: LOAD/TENSILE AREA = 1294LBF/0.423IN^2=3060PSI 304 STAINLESS STEEL HAS AN Ftu GREATER THAN 70KSI, MARGIN OF SAFETY IS POSITIVE. ACCEPTABLE AS IS.

**DRAWING:** 79232

#### FINDING:

1. LENGTH OF COVER OUTSIDE OF TOLERANCE.

#### **ENGINEERING JUSTIFICATION:**

ON INSPECTION, COVER PERFORMS INTENDED FUCTION WITHOUT INTERFERING WITH OTHER COMPONENTS. ACCEPTABLE AS IS.

APPROVED

APPROVALS DATE

DRAWN: R\_RATHWELL 15/06/08

CHECKED: T\_BURGOIN 15/06/08

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ON:

DECIMALS

 $\pm 0.1$ 

 $x.xxx \pm 0.010$  $x.xx \pm 0.03$ 

X.X

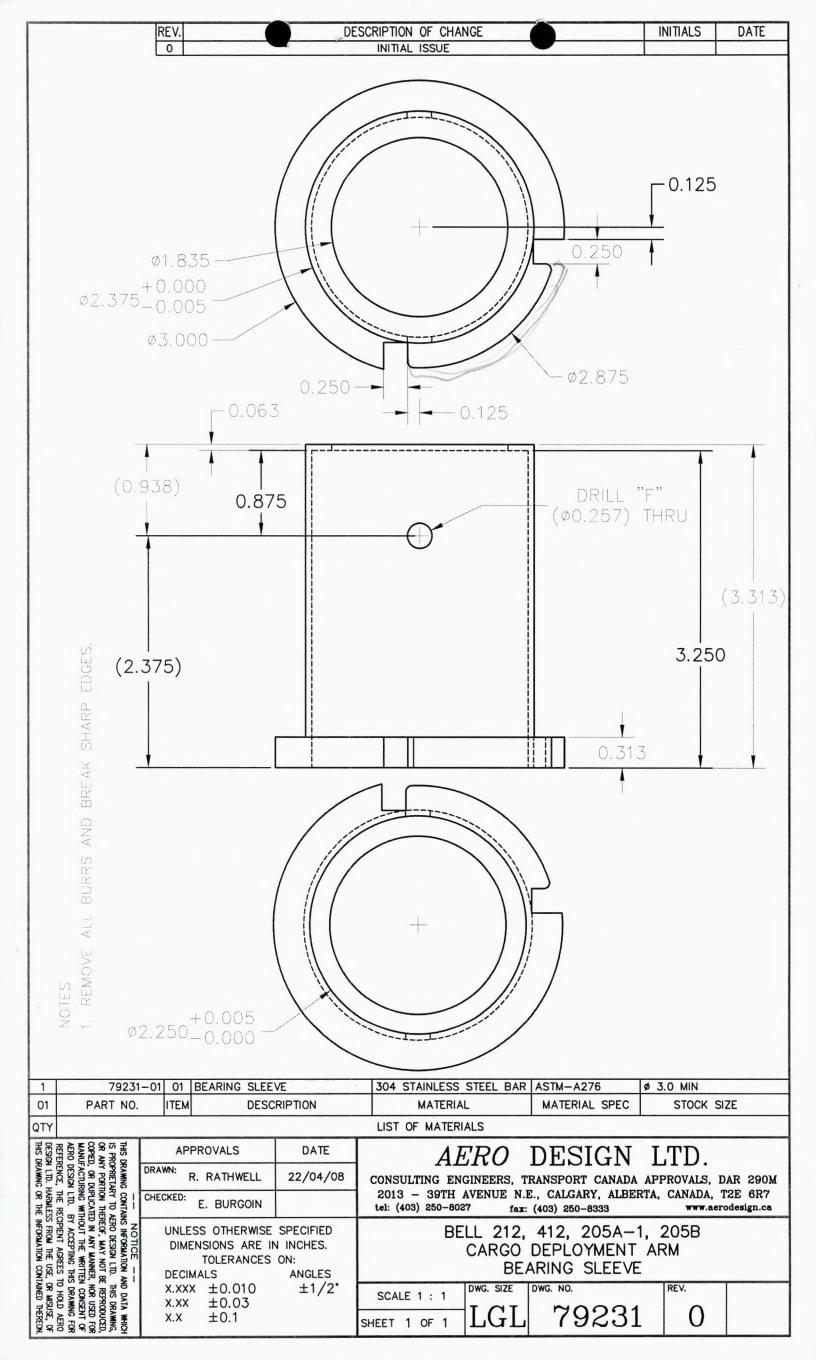
ANGLES ±1/2°

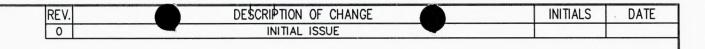
AERO DESIGN LTD.

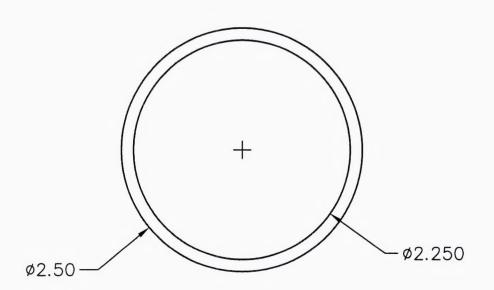
CONSULTING ENGINEERS, TRANSPORT CANADA APPROVALS, DAR 290M 2013 - 39TH AVENUE N.E., CALGARY, ALBERTA, CANADA, T2E 6R7 tel: (403) 250-8027 fax: (403) 250-8333 www.aerodesign.ca

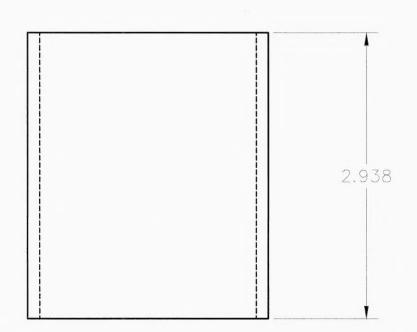
# ENGINEERING DISPOSITION

SCALE_1:1		DWG. NO.	REV.	-
SHEET 1 OF 1	A4	ED792-1	0	





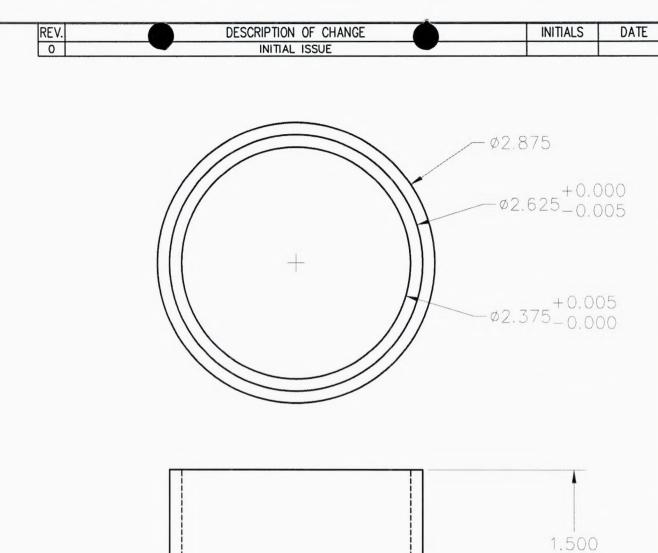




## NOTES

1. REMOVE ALL BURRS AND BREAK SHARP EDGES.

1	79232	-01 01	COVER		ALUM TUBE		DIA 2.25 MIN	
01	PART NO.	ITEM	DESC	RIPTION	MATERIAL	MATERIAL SPEC	STOCK S	ZE
QTY				•	LIST OF MATERIALS			
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DESIGN LTD. I	HIS DRAWING CO S PROPRIETARY R ANY PORTION ROPED, OR DUPL JANUFACTURING LERO DESIGN LTI REFERENCE, THE	DRAWN:	R. RATHWELL	22/04/08	CONSULTING ENGINEERS	, TRANSPORT CANA	DA APPROVALS, I	
OR THE	5 4 5 1 3 1 1	CHECKED:	E. BURGOIN		2013 - 39TH AVENUE tel: (403) 250-8027	N.E., CALGARY, AL (ax: (403) 250-8333		IZE 6R7 odesign.ca
N N N	UNLESS OTHERWISE SPECIFIED  UNLESS OTHERWISE SPECIFIED  DIMENSIONS ARE IN INCHES.			2, 412, 205A O DEPLOYMEN COVER				
	AND DATA WHICH AND DATA WHICH THIS DRAWING, BE REPRODUCED, BE REPRODUCED FOR R, NOR USED FOR EN CONSENT OF HIS DRAWING FOR TO HOLD AERO	X.XX X.XX X.X	±0.010 ±0.03 ±0.1	±1/2°	SCALE 1 : 1 DWG. SIZE $LG$	L 7923	32 REV.	

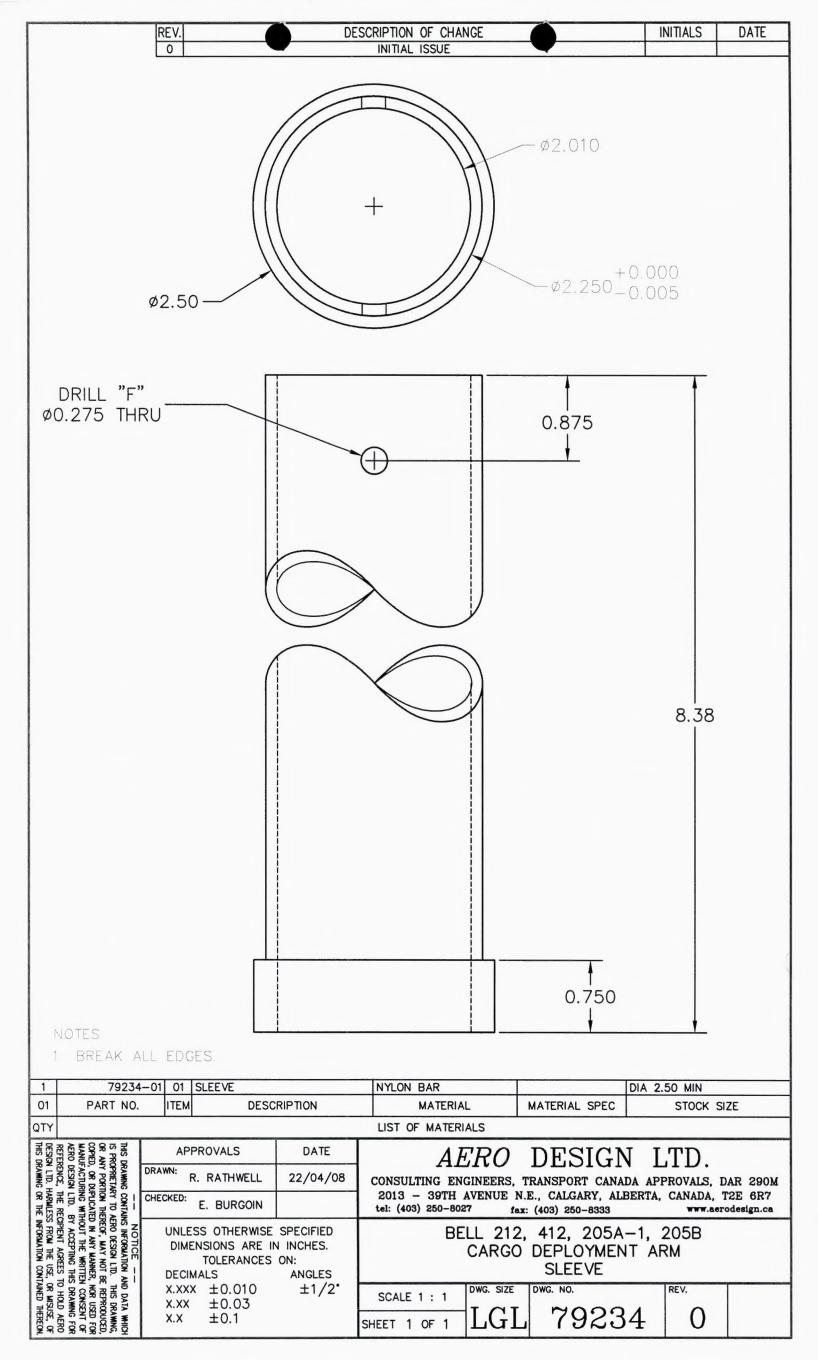


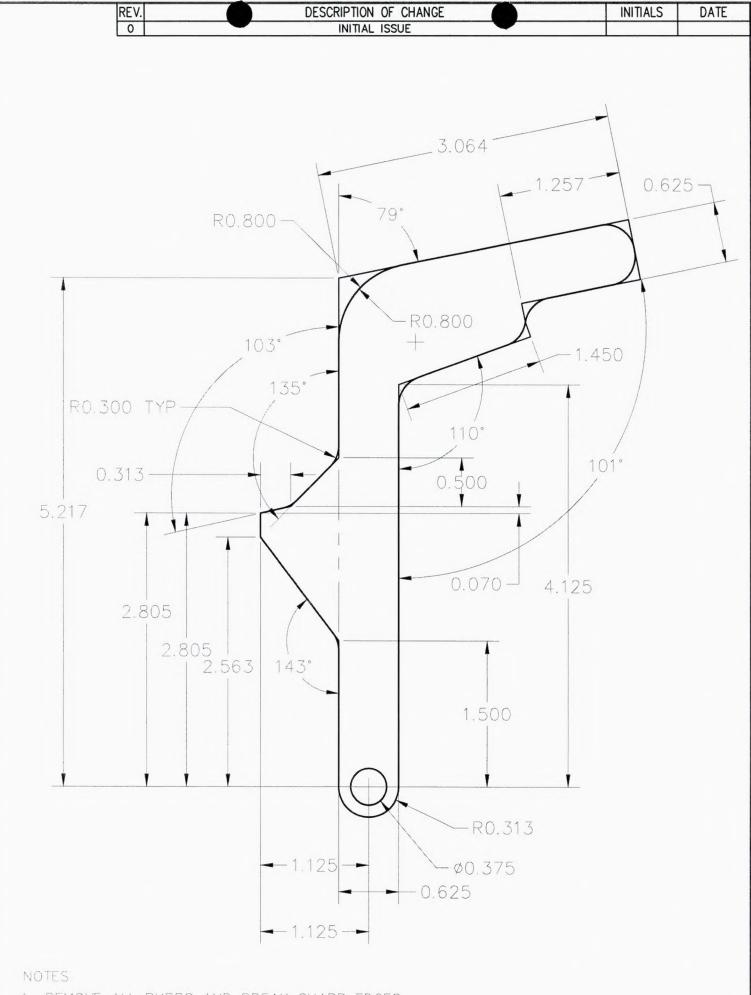
0.125

NOTES

1. BREAK ALL EDGES.

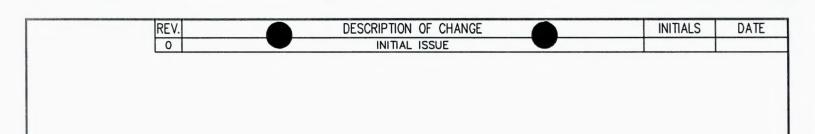
1	79233	33-01 01 BUSHING			NYLON		DIA 3.0		
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QTY			•		LIST OF MATERI	ALS			
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RAWING	RAMING PRIETA PORT OR DE COUNTY PORT COUNTY OR DE COUNTY PORT OR DE COUNTY OR DE CO	DRAWN: R. RATHWELL 22/04/08		22/04/08	CONSULTING ENGINEERS, TRANSPORT CANADA APPROVALS, DAR 290M				
OR THE	CONTAIL CONTAIL RY TO A RY TO	CHECKED:	E. BURGOIN		2013 - 39TH del: (403) 250-802		E., CALGARY, ALE : (403) 250-8333		T2E 6R7 rodesign.ca
S FROM THE USE, INFORMATION CONT	NOTICE —— NOTICE —— NS INFORMATION A US INFORMATION A US INFORMATION THE REOF, MAY NOT BI D IN ANY MANNER, TO IN THE WRITTEL OUT THE WRITTEL OUT THE WRITTEL OUT ACREES 1	DIM	ESS OTHERWISE ENSIONS ARE II TOLERANCES IMALS	N INCHES.			412, 205A DEPLOYMEN BUSHING		
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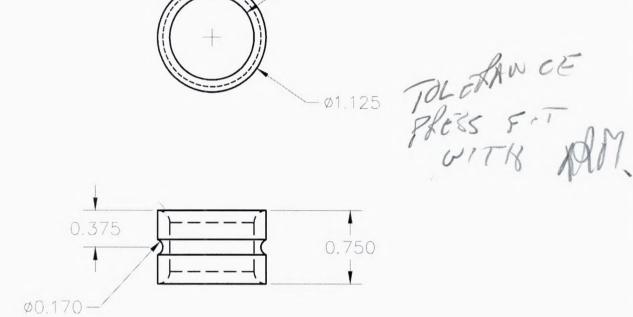


1. REMOVE ALL BURRS AND BREAK SHARP EDGES.

1	79235	-01 01	LOCK LEAVER		304 STAINLESS STEEL SHEET	AMS 5513	T=0.25	
01	PART NO.	ITEN	DESC	CRIPTION	MATERIAL	MATERIAL SPEC	STOCK SI	ZE
QTY					LIST OF MATERIALS			
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<b>展局</b>		CHECKED:	E. BURGOIN		2013 - 39TH AVENUE N. tel: (403) 250-8027 fax:	E., CALGARY, ALBE (403) 250-8333		2E 6R7
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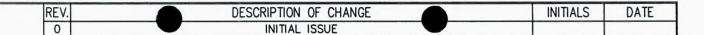
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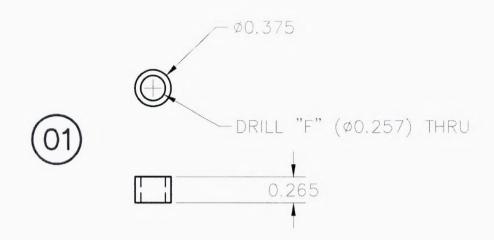


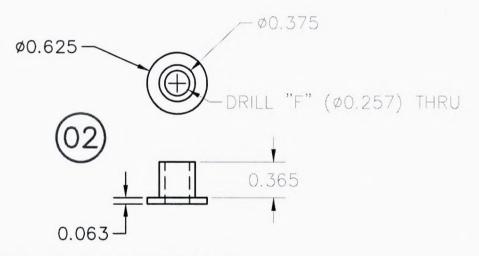
#### NOTES

1. REMOVE ALL BURRS AND BREAK SHARP EDGES.

_					
1	79236	6-01 01 BUSHING			304 STAINLESS STEEL BAR ASTM-A276 Ø1.125 MIN
01	PART NO.	ITEM	ITEM DESCRIPTION		MATERIAL MATERIAL SPEC STOCK SIZE
QTY					LIST OF MATERIALS
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RAWNG	「PMN A TRE DRAWN:		R. RATHWELL	22/04/08	CONSULTING ENGINEERS, TRANSPORT CANADA APPROVALS, DAR 290M
OR THE	CONTAINS RY TO AEI TON THERI TON THERI TON THERI TON WITHO LID. BY THE RECI	CHECKED:	E. BURGOIN		2013 — 39TH AVENUE N.E., CALGARY, ALBERTA, CANADA, T2E 6R7 tel: (403) 250-8027 fax: (403) 250-8333 www.aerodesign.ca
S FROM THE USE, INFORMATION CONT	UNLESS OTHERWISE SPECIFIED  UNLESS OTHERWISE SPECIFIED  DIMENSIONS ARE IN INCHES.  TOLERANCES ON:  TOLERANCES ON:  DECIMALS ANGLES			N INCHES. ON: ANGLES	BELL 212, 412, 205A-1, 205B CARGO DEPLOYMENT ARM BUSHING
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NOTES

1. REMOVE ALL BURRS AND BREAK SHARP EDGES.

79237	79237-02 02 BUSHING 79237-01 01 BUSHING PART NO. ITEM DESCRIPTION			BRASS ROD BRASS ROD MATERIAL LIST OF MATERIALS			ø .63 MIN ø .38 MIN STOCK SIZ	ZE	
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DRAWING: 75820 REV 0 DRAWING: 75835 REV 0 CHANGES: CHANGES: 1. ITEM 02, PART 75835-02: ACCEPTABLE ALTERNATIVE MATERIAL 6061-T6 ALUM ROD 1. ITEM 13 PART NO. WAS: AN5-15A, SHOULD READ: AN5-6A PER ASM-QQ-200/8 **ENGINEERING JUSTIFICATION: ENGINEERING JUSTIFICATION:** NONE REQUIRED. NONE REQUIRED. AERO DESIGN LTD. AERO DESIGN LTD. **APPROVALS APPROVALS** DRAWN: R. RATHWELL DRAWN: R. RATHWELL CONSULTING ENGINEERS, TRANSPORT CANADA APPROVALS, DAR 290M CONSULTING ENGINEERS, TRANSPORT CANADA APPROVALS, DAR 290M 15 JUN 08 15 JUN 08 2013 - 39TH AVENUE N.E., CALGARY, ALBERTA, CANADA, T2E 6R7 2013 - 39TH AVENUE N.E., CALGARY, ALBERTA, CANADA, T2E 6R7 CHECKED: E. BURGOIN CHECKED: E. BURGOIN tel: (403) 250-8027 fax: (403) 250-8333 tel: (403) 250-8027 fax: (403) 250-8333 DRAWING CHANGE NOTICE DRAWING CHANGE NOTICE UNLESS OTHERWISE SPECIFIED UNLESS OTHERWISE SPECIFIED THE CHANGES INDICATED ARE APPLICABLE TO THE INITIAL ISSUE AND/OR TO PREVIOUS DRAWING THE CHANGES INDICATED ARE APPLICABLE TO THE INITIAL ISSUE AND/OR TO PREVIOUS DRAWING DIMENSIONS ARE IN INCHES. DIMENSIONS ARE IN INCHES. CHANGE NOTICES FOR THIS DRAWING AND SUPERCEDE THE INFORMATION FROM THE INITIAL ISSUE CHANGE NOTICES FOR THIS DRAWING AND SUPERCEDE THE INFORMATION FROM THE INITIAL ISSUE TOLERANCES ON: TOLERANCES ON: OF THE DRAWING AND/OR ANY EARLIER DRAWING CHANGE NOTICES. OF THE DRAWING AND/OR ANY EARLIER DRAWING CHANGE NOTICES. ANGLES THIS DRAWING CHANGE NOTICE MUST ACCOMPANY THE DRAWING TO WHICH IT APPLIES AT ALL TIMES. THIS DRAWING CHANGE NOTICE MUST ACCOMPANY THE DRAWING TO WHICH IT APPLIES AT ALL TIMES. DECIMALS DECIMALS **ANGLES** ±1/2° ±1/2° x.xxx ±0.010 X.XXX ±0.010 X.XX ±0.03 X.XX ±0.03 75835 75820  $X.X \pm 0.1$  $X.X \pm 0.1$ SHEET 1 OF 1 SHEET 1 OF 1 DRAWING: 75801 REV 0 DRAWING: 79201 REV 1 CHANGES: **CHANGES:** 1. ITEM 07 PART NO. WAS: MS20365-1032, SHOULD READ: MS21044N3 ITEM 07 PART NO. WAS: MS20365-1032, SHOULD READ: MS21044N3 2. ITEM 10 PART NO. WAS: MS20365-428, SHOULD READ: MS21044N4 2. ITEM 10 PART NO. WAS: MS20365-428, SHOULD READ: MS21044N4 **ENGINEERING JUSTIFICATION:** ENGINEERING JUSTIFICATION: NONE REQUIRED. NONE REQUIRED. AERO DESIGN LTD. AERO DESIGN LTD. **APPROVALS APPROVALS** DRAWN: R. RATHWELL DRAWN: R. RATHWELL CONSULTING ENGINEERS, TRANSPORT CANADA APPROVALS, DAR 290M CONSULTING ENGINEERS, TRANSPORT CANADA APPROVALS, DAR 290M 15 JUN 08 15 JUN 08 2013 - 39TH AVENUE N.E., CALGARY, ALBERTA, CANADA, TZE 6R7 2013 - 39TH AVENUE N.E., CALGARY, ALBERTA, CANADA, TZE 6R7 CHECKED: E. BURGOIN CHECKED: E. BURGOIN tel: (403) 250-8027 fax: (403) 250-8333 www.aerodesign.ca tel: (403) 250-8027 fax: (403) 250-8333 www.aerodesign.ca DRAWING CHANGE NOTICE DRAWING CHANGE NOTICE UNLESS OTHERWISE SPECIFIED UNLESS OTHERWISE SPECIFIED UNLESS OTHERWISE SPECIFIED THE CHANGES INDICATED ARE APPLICABLE TO THE INITIAL ISSUE AND/OR TO PREVIOUS DRAWING THE CHANGES INDICATED ARE APPLICABLE TO THE INITIAL ISSUE AND/OR TO PREVIOUS DRAWING DIMENSIONS ARE IN INCHES. DIMENSIONS ARE IN INCHES. DIMENSIONS ARE IN INCHES. CHANGE NOTICES FOR THIS DRAWING AND SUPERCEDE THE INFORMATION FROM THE INITIAL ISSUE CHANGE NOTICES FOR THIS DRAWING AND SUPERCEDE THE INFORMATION FROM THE INITIAL ISSUE TOLERANCES ON: TOLERANCES ON: OF THE DRAWING AND/OR ANY EARLIER DRAWING CHANGE NOTICES. OF THE DRAWING AND/OR ANY EARLIER DRAWING CHANGE NOTICES. THIS DRAWING CHANGE NOTICE MUST ACCOMPANY THE DRAWING TO WHICH IT APPLIES AT ALL TIMES. DECIMALS ANGLES THIS DRAWING CHANGE NOTICE MUST ACCOMPANY THE DRAWING TO WHICH IT APPLIES AT ALL TIMES. DECIMALS ANGLES DECIMALS X.XXX ±0.010 ±1/2° X.XXX ±0.010 ±1/2° DWG. SIZE DWG. NO. x.xxx ±0.010  $X.XX \pm 0.03$ x.xx ±0.03 X.XX ±0.03

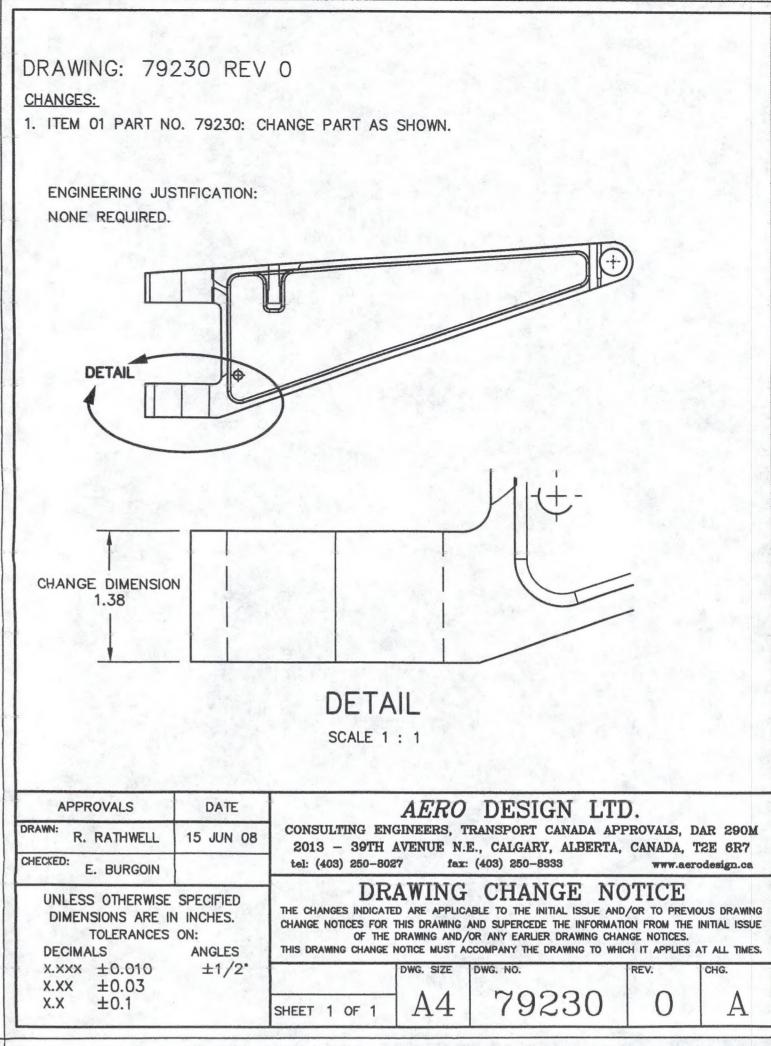
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SHEET 1 OF 1

X.X ±0.1

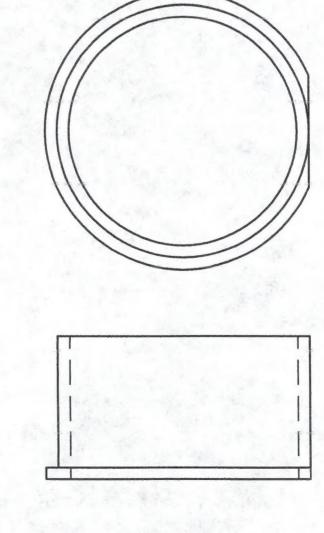


DRAWING: 79233 Rev \$

CHANGES:

1. BUSHING FLANGE SHAPE MAY BE ALTERED AS SHOWN TO AID ASSEMBLY.

ENGINEERING JUSTIFICATION: NONE REQUIRED.



APPROVALS	DATE			
DRAWN: R. RATHWELL	15 JUN 08			
CHECKED: E. BURGOIN				

TOLERANCES ON:

X.X ±0.1

79201

SHEET 1 OF 1

**ANGLES** 

AERO DESIGN LTD. CONSULTING ENGINEERS, TRANSPORT CANADA APPROVALS, DAR 290M 2013 - 39TH AVENUE N.E., CALGARY, ALBERTA, CANADA, T2E 6R7

tel: (403) 250-8027 fax: (403) 250-8333

DRAWING CHANGE NOTICE THE CHANGES INDICATED ARE APPLICABLE TO THE INITIAL ISSUE AND/OR TO PREVIOUS DRAWING CHANGE NOTICES FOR THIS DRAWING AND SUPERCEDE THE INFORMATION FROM THE INITIAL ISSUE

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OF THE DRAWING AND/OR ANY EARLIER DRAWING CHANGE NOTICES. THIS DRAWING CHANGE NOTICE MUST ACCOMPANY THE DRAWING TO WHICH IT APPLIES AT ALL TIMES. ±1/2° DWG. SIZE DWG. NO.

79233 SHEET 1 OF 1